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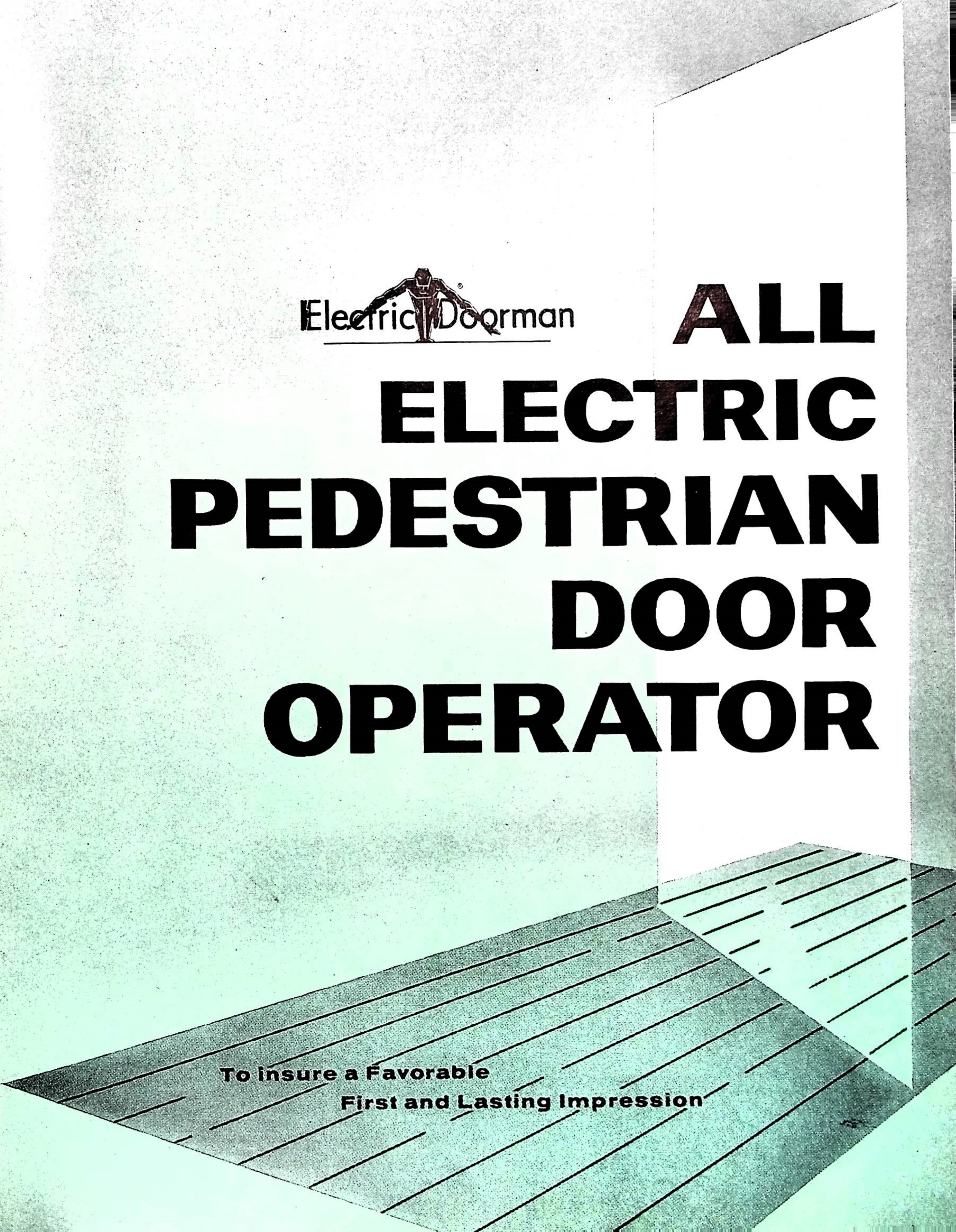


Electric Doorman

ALL ELECTRIC PEDESTRIAN DOOR OPERATOR

To insure a Favorable
First and Lasting Impression

INTRODUCTION

The ELECTRIC DOORMAN Pedestrian Door Operator is the only *all electric* device of its kind. Designed, engineered and produced by a manufacturer of automatic door operator since 1923, it is a silent, sturdy and maintenance-free operator of quality construction. The ELECTRIC DOORMAN Operator is designed to silently open doors in approximately two seconds, using either floor mats, electric eye or push button type of control. Because it is *all electric,* there are no hydraulic lines, pumps or pressure tanks to complicate the installation. Everything is enclosed in one operator housing located either in the floor or at the door head. Unit is highly adaptable for use in grocery, drug and department stores, computor rooms, hospitals, terminals, office buildings, plants, rest rooms and wherever there are large amounts of pedestrian traffic.

DESIRABILITY

Automatic doors extend a hearty welcome to customers . . . they enhance a building's appearance and create a friendly atmosphere. They speed up traffic—making shopping easy and rapid. They save clerks' time by eliminating necessity of opening doors for customers; they reduce heating and air conditioning costs; and they help prevent door damage, including breakage and marring of glass panels. Automatic doors give buildings a modern, prosperous appearance.

PLANNING CONSIDERATIONS

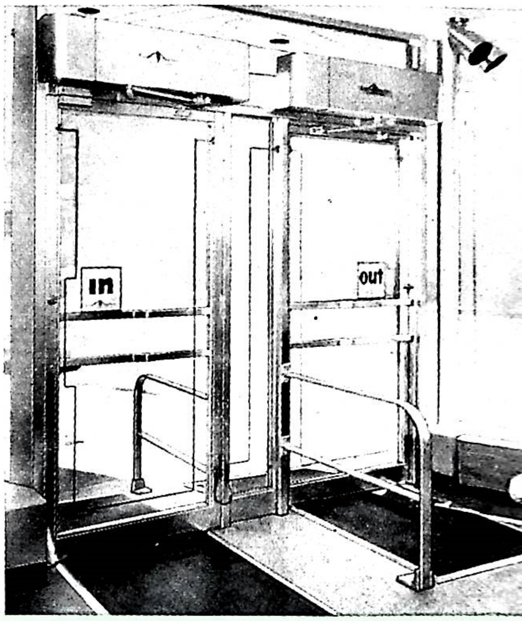
- Provide a smooth surface on each side of door opening, the width of the door, and 5 feet in either direction.
- Outside ramp to be fastened to door sill structure reinforced to prevent rising or settling.
- Top of finish floor to be flush with threshold and ramp.
- Provide 115 Volt AC, 60-cycle electrical service to each operator control box.
- Weight of unit plus housing approximately 100 lbs.

THRESHOLD UNIT

Description—The weight of a pedestrian or cart on the approach portion of the treadle actuates the ELECTRIC DOORMAN door operator. The door opens quickly, gently stopping at full open until the weight has moved across the treadle and off its far side. The operator has a toggle switch which in "hold open" position allows the door to be held open for any length of time, an "automatic" position which allows normal automatic operation and a "center" position which cuts off power to the operator.

OVERHEAD UNIT

Description—The weight of a pedestrian or cart on the approach portion of the treadle actuates the ELECTRIC DOORMAN door operator. The door opens quickly, gently stopping at full open until the weight has moved across the treadle and off its far side. The operator has a toggle switch on the operator cover which in "hold open" position allows the door to be held open for any length of time, an "automatic" position which allows normal automatic operation and a "center" position which cuts off power to the operator.



FEATURES OF THE ELECTRIC DOORMAN

Appearance—Operator unit concealed in the floor or mounted over the door results in an absence of unsightly lines, space wasting tanks or compressors.

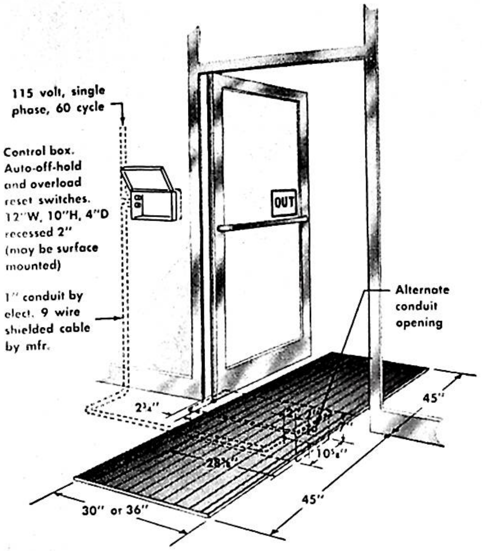
Convenience—Automatic disconnect from power unit allows manual operation in event of power failure. Unit automatically reverts back to power operation when power is restored.

Safety—Operator has incorporated safety features to protect persons, goods, grocery carts and the doors. Doors operate at a smooth constant speed and have adjustments for varying the drive force for both "open" and "close". Door will not operate when treadle is depressed on outswing side of door. Guide rails and finger guards also help to prevent mishaps.

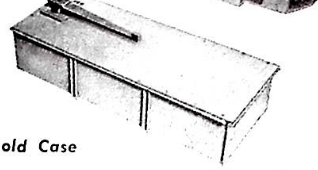
Versatility—This unit is available for either in-the-floor or over-the door mounting, requiring no additional door frame reinforcing. The only power requirement being 115 Volt current to the operator location.

The door operator unit does not rely on springs to close the door. Instead, the unit drives the door closed, the same as it does when opening the door. This assures positive closing regardless of draft conditions.

Quality and Engineering—Operator not affected by temperature extremes and will operate from —40°F to +120°F. Adjustable driven limit switches are readily accessible. All components of highest quality and have proven their reliability through long and dependable service.


115 volt, single phase, 60 cycle
Control box. Auto-off-hold and overload reset switches. 12"W, 10"H, 4"D recessed 2" (may be surface mounted)
1" conduit by elect. 9 wire shielded cable by mfr.
OUT
Alternate conduit opening
2¾"
28⅞"
10⅝"
45"
45"
30" or 36"

Operator Mechanism



Threshold Case

The threshold type operator is designed primarily for installation in new construction. Threshold case which houses operator is placed in recess in floor and grouted flush with finish floor line.

Mats—For doors up to 42 in. wide, 30-in. mats are used. For doors over 42 in. wide, 36-in. mats can be specified. Special sizes available at nominal cost.

Selection

EDT-C: Clockwise swing—center pivot
EDT-CC: Counter-clockwise swing—center pivot
EDT-OC: Clockwise swing—offset pivot
EDT-OCC: Counter-clockwise swing—offset pivot

Types of Operation

Units are usually actuated by special "3M" non-skid surface, long wearing, heavy duty, control mats, ⅜ in. thick in black, gold, platinum and maroon. Standard vinyl mats also available. Other types of controls are also available, such as push buttons, elbow switch or electric eye. For two-way traffic through one door, special mat arrangements can be supplied. Control mats are guaranteed for 2 years. This guarantee is on a pro rata basis.

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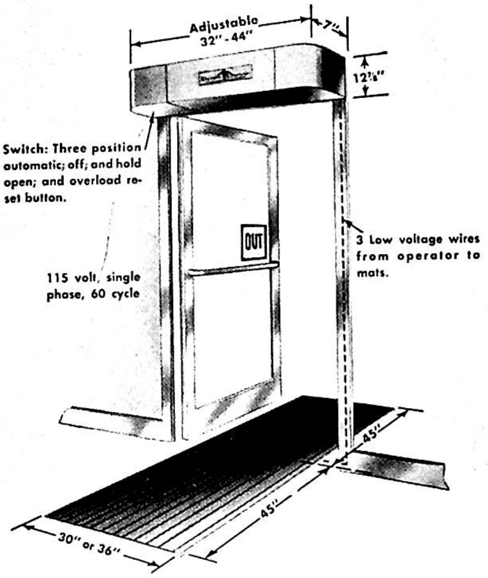
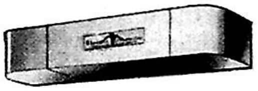

Adjustable 32" - 44"
7"
12⅞"
Switch: Three position automatic; off; and hold open; and overload reset button.
115 volt, single phase, 60 cycle
OUT
3 Low voltage wires from operator to mats.
45"
45"
30" or 36"



Overhead Operator Unit

The overhead type operator is designed to work equally well in existing construction where installation of a concealed unit is not practicable or in new work where a semi-permanent installation is desirable. Its neat and attractive appearance does not detract from the decor of the area.

Mats—Either 30 or 36-in. mats may be specified. Special sizes available at nominal cost.

Selection

EDO-C: Clockwise swing—top hung
EDO-CC: Counter-clockwise swing—top hung
EDO-OC: Outswing, clockwise—top hung
EDO-OCC: Outswing, counter-clockwise—top hung
EDO: Center pivot door—special
EDO-DSS: One operator to operate a pair of doors, both opening at the same time, and swinging in the same direction.

SPECIFICATIONS

General—Furnish and install ELECTRIC DOORMAN all electric pedestrian door operators as manufactured by Electric Power Door Co., Inc., 3900 Hurst Avenue, Minneapolis 26, Minnesota. Operators to be Model No. . . . . for (floor/overhead) mounting. Operator shall be completely self-contained, requiring no remote pumps, compressors, hydraulic or pneumatic tubing; and shall automatically disconnect in case of power failure and reconnect when power is restored, shall be provided with hold open-off-automatic toggle switch, motor overload reset and actuating mats.

Operator—Each operator shall consist of one electrically-driven motor unit with positive, constant speed drive in both directions and metal threshold case for below floor mounting or operator cover if used for overhead mounting. Operators shall be complete in all respects including controls, hangers and anchors.

Controls—ELECTRIC DOORMAN operators shall be actuated by means of (treadles/elbow switches/push buttons/electric eyes) which, in turn, shall be installed in accordance with drawings and directions as furnished by the manufacturer.

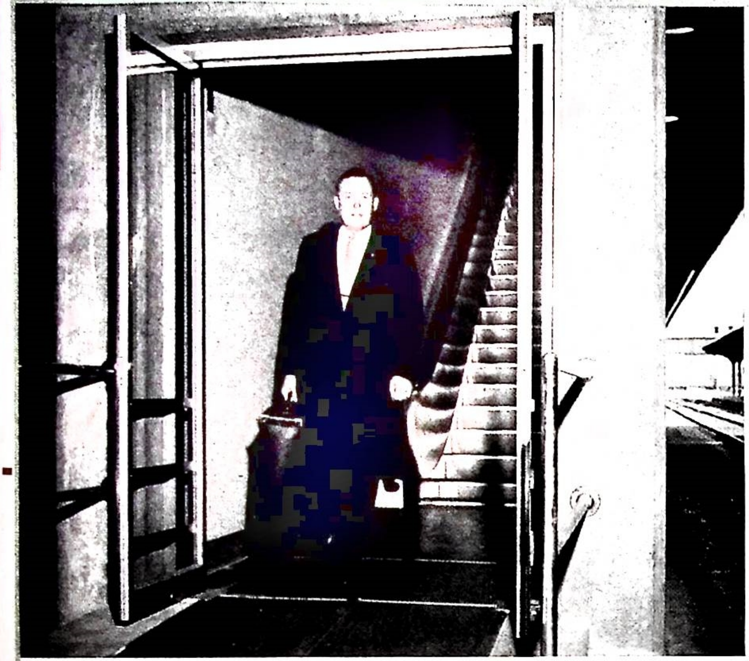
WORK PERFORMED BY OTHERS

General Contractor (Threshold unit installation)—Prepare recess in floor and set threshold case in cement grout bed so that case is level and square, all in accordance with the installations instructions furnished by the manufacturer. Center hung or offset top pivot furnished by door manufacturer, bottom pivot furnished by door operator manufacturer.

General Contractor (Overhead unit installation)—Properly anchor all door frames, top and bottom, so that operator and operator case can be supported properly overhead.

Electrical Contractor (Threshold unit installation)—Provide 115V, 60 cycle AC electrical service to each control box. (One control box furnished by the Electric Power Door Co. for each operator). Provide fused disconnect switch as required by local and national codes. Provide 1-in. conduit between threshold case and control box. Pull 9-wire shielded cable (supplied by manufacturer) from each threshold case to each control box. Control box shall be set as close to the door as possible and not accessible to children. Local codes usually call for switch to be in view of door.

OPERATING MECHANISM



Great Northern Railroad Depot, Minneapolis, Minnesota. Bi-parting swinging doors at approach to escalator. Special mat arrangement allows two-way traffic to or from reversible escalators to accommodate incoming and outgoing trains.

CONTROLS

Special control mats with "3M" non-skid surface available for heavy hand cart or fork lift applications, other types of controls are available for other types of installations, such as heavy duty push buttons, elbow switches, pull cords and electric eye. Contact your nearest ELECTRIC DOORMAN representative for further information and assistance.

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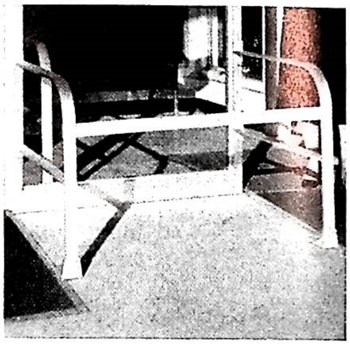
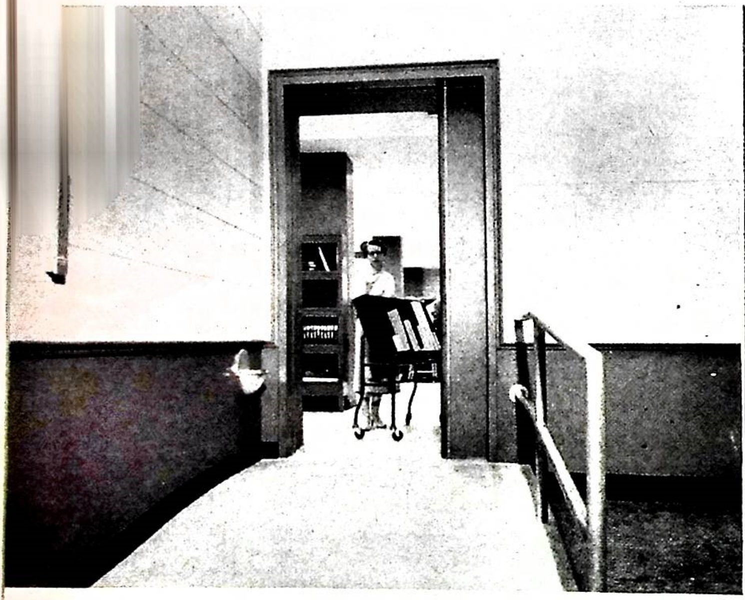
ACCESSORIES

Standard guide rails available from 24″ to 48″ long by 30″ and 36″ high with or without mesh inserts or cross bars. Special sizes also available. Finger guards should be specified on all installations.





St. Paul Fire and Marine Insurance Office, St. Paul, Minn. Entrance to computer room. Electric operation keeps doors closed to help maintain temperature and humidity conditions.

F
PURPLE

Mayo Memorial Hospital University of Minnesota. One of 14 sets of electrically operated operating room doors.

For other Electric Doorman products, refer to our catalog in section 16i

For further information or for the name of the representative in your area, call our factory collect—[illegible] 9-0411, Minneapolis, Minnesota.

Electric Doorman

Manufactured By

ELECTRIC POWER DOOR CO., INC.

3900 Hurst Avenue · Minneapolis 26, Minnesota

Printed in U.S.A.

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